

1 TTTATTTAGTT TGAAACCCGC CTGGGCTTTC GGTGATTCAT AATAAACITGG CGAATCGCAT
61 ITAGCGATGG ACCATTCAAG TTTCTGACCC ATCAGCTTGA CGGTAGGGTA TTGGCCTACC
121 GAGGCAGCAA CGGTAACGG GGAATTAGGG TTCGATTCCG GAGAGGGAGC CTGAGAGACG
181 GCTACCACAT CTAAGGAAGG CAGCAGGCGC GCAAATTACC CAATCCTGAC ACAGGGAGGT
241 AGTGACAAGA AATAACAATA CAGGGCTAAT GTCTTGTAAT TGGAAATGATG GTGACCCACA
301 CCCTCACCAG AGTAGCAATT GGAGGGCAAG TCTGGTGCCA GCAGCCGCGG TAATTCCAGC
361 TCCAATAGCG TATATTAAAC TTGTTGCAGT TAAAAAGCTC GTAGTTGAAT TTTAGCGTGT
421 TCGAGTTTGC CATTGTTTTG GCTTTTTTCGA GTTCGC

FIG. 1

Name	Sequence
Forward primer	5'-TAGTTTGAAACCCGCCTT-3' (SEQ ID NO: 1)
Reverse Primer	5'-GATGGGTCAGAACTTGAA-3' (SEQ ID NO: 2)
Probe	5'-CATCGCTAAATGCGATTCGCCA-3' (SEQ ID NO: 3)

FIG. 2

		Section 5					
		(173)	173	180	190	200	215
Babesia bovis KF 928959	(168)	T	TGAGG	-----	TTATTACCGCGTTTACTGGT	-----	
Babesia canis AY072925.1	(171)	T	TGAGGTCT	---	TTT-GACCGCGTTTAT	TAGTTTGAAACCC-	
Babesia divergens AY144688.1	(1)						
Babesia felis AF244912.1	(151)	TT	CGAAGCGC	--	TTCGGCGTTGCGTTTATTAGACTTAAACCAA		
Babesia gibsoni KP666168.1	(171)	T	CGAGGCT	---	TTTGGCGGCGTTTATTAGTTCTAAACCT-		
Babesia microti AB190459.1	(151)	T	CGAGGCGCGT	TTT	CGCGTGGCGTTTATTAGACTTTAACC	AA	
		Section 6					
		(216)	216	230	240	258	
Babesia bovis KF 928959	(194)	-	C-CT	-----	GTGATTTACAGTAACCT-GCGACTCGC		
Babesia canis AY072925.1	(208)	GGCTT	GGCTTTC	---	GGTGATTCATAATAAACTGGCGAATCGC		
Babesia divergens AY144688.1	(1)						
Babesia felis AF244912.1	(192)	CCCTTC	GGGTACCTT	GGTGATTCATAATAAACTAGCGAATCGC			
Babesia gibsoni KP666168.1	(209)	CCCTTC	GGTTTTC	---	GGTGATTCATAATAAACTCGCGAATCGC		
Babesia microti AB190459.1	(193)	CCCTTC	GGGTAA-TC	GGTGATTCATAATAAACTAGCGAATCGC			
		Section 7					
		(259)	259	270	280	290	301
Babesia bovis KF 928959	(223)	T	TTTT	-----	GCGATATTCATTCAAGTTTCTGACCCATCA		
Babesia canis AY072925.1	(248)	A	TTTA	-----	GCGATGACCAATCAAGTTTCTGACCCATCA		
Babesia divergens AY144688.1	(1)						
Babesia felis AF244912.1	(235)	A	TGGCATTGCCG	GCGATGTATCATTCAAGTTTCTGACCTATCA			
Babesia gibsoni KP666168.1	(249)	T	TTTA	-----	GCGATGGACCATTCAAGTTTCTGACCCATCA		
Babesia microti AB190459.1	(235)	A	TGGCTTTGCCG	GCGATGTATCATTCAAGTTTCTGACCTATCA			

FIG. 3

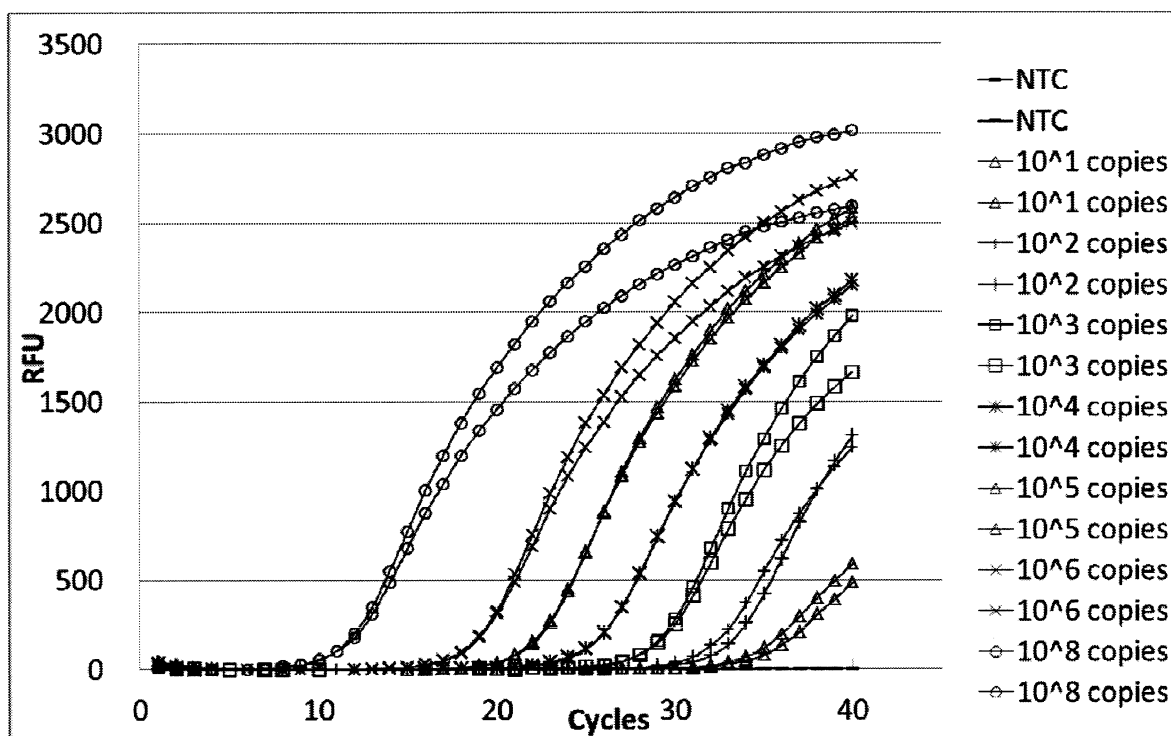


FIG. 4A

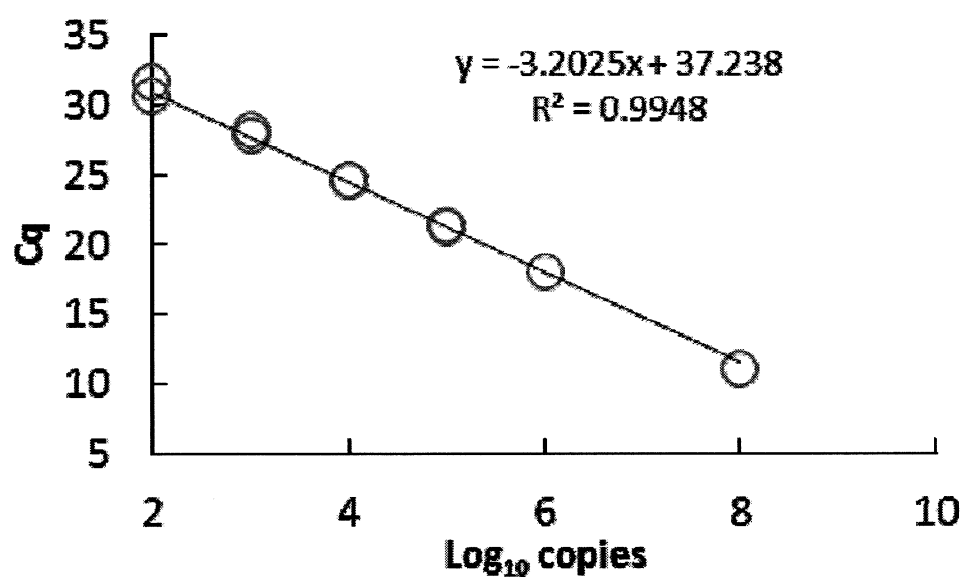


FIG. 4B